

Application No. 10/605,210  
Response and Amendment dated April 29, 2005  
Reply to Office action of December 29, 2004  
Docket Number 19427/04260

### Amendments to the Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application:

### Listing of Claims:

1. (presently amended) A projector comprising:  
  
a housing containing a directional electric light source,  
  
~~a lens disposed opposite the light source, a light path extending from the light source through the lens and out of the housing and to a multi-faceted reflective element, the reflective element including a housing having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides, and~~  
  
~~a rotation means for rotating the housing which is located substantially inside of the housing multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor.~~
2. (presently amended) ~~The projector of Claim 1 further including~~ A projector according to claim 1, comprising a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens, the image medium support assembly further comprising an image window aligned in the light path, and an opening in which an image medium can be supported in the image medium support assembly.
3. (presently amended) ~~The projector of Claim 1 further including~~ A projector according to claim 1, comprising a support member attachable to the projector comprising a mounting frame for supporting with a proximal end holding the projector directional light source and a distal end holding, in spaced apart relation to the projector, the multi-faceted reflective element in spaced-apart relation to one another.
4. (presently amended) ~~The projector of Claim 2 further including~~ A projector according to claim 2, comprising a first housing enclosing a support member attachable to the projector comprising a mounting frame with a proximal end holding the projector directional light source

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~~and a distal end holding, in spaced apart relation to the projector, the multi-faceted reflective element lens and the image medium support assembly.~~

5. (presently amended) ~~The projector of Claim 1~~ A projector according to claim 1, wherein the multi-faceted reflective element being is supported on two opposed one or both of its first and second sides.

6. (presently amended) ~~The projector of Claim 4 further including~~ A projector according to claim 4, comprising a stand supporting the support member, the stand comprising and having a first bent tubular member which abuts a second similarly shaped bent tubular member, together forming a configuration with a central, double-wide portion and four flared single-wide ends.

7. (presently amended) ~~The projector of Claim 1 further including~~ A projector according to claim 1, comprising a shield enveloping a portion of the reflective element, whereby, when the projector is in use, a portion of the light reflected from the multi-faceted reflective element is blocked from further projection.

8. (presently amended) ~~The projector of Claim 4 further including~~ A projector according to claim 4, comprising a stand supporting the support member and having a central hub and three members having similar lengths extending from the hub and about equally spaced around the hub.

9. (presently amended) A projector according to claim 2 wherein the multi-faceted reflective element may be rotationally adjusted around an axis that intersects the axis of rotation to different positions in order to vary the direction of movement of reflected images across a viewing surface.

10. (presently amended) A rotatable multi-faceted reflective element for use in the projection of reflected light comprising:

a housing including a plurality of reflective surfaces;

an axis of rotation that passes through first and second sides, and

a rotation means for rotating the housing which is located substantially inside of the housing multi-faceted reflective element and comprising an electric motor, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor.

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11. (presently amended) ~~The reflective element of~~ A rotatable multi-faceted reflective element according to claim 10 wherein the housing supports the plurality of reflective surfaces are supported on an exterior surface of the multi-faceted reflective element.
12. (presently amended) ~~The reflective element of~~ A rotatable multi-faceted reflective element according to claim 10 wherein the housing is spherically shaped having a spherical shape.
13. (presently amended) A rotatable multi-faceted reflective element according to claim 10 wherein the housing is having a barrel shaped.
14. (cancelled)
15. (presently amended) A rotatable multi-faceted reflective element according to claim 14 ~~10 further including comprising a first spindle and holder assembly,~~ wherein the electric motor is supported by the holder and the spindle extends through ~~the housing one or both of the first and second sides of the multi-faceted reflective element,~~ whereby upon activation of the electric motor, the ~~housing multi-faceted reflective element~~ may be rotated while the spindle and holder assembly remains stationary.
16. (presently amended) A rotatable multi-faceted reflective element according to claim 14 ~~15 further including comprising a bearing between one or both of the first and second sides of the multi-faceted reflective element housing and the spindle of the spindle and holder assembly.~~
17. (presently amended) A rotatable multi-faceted reflective element according to claim 14 ~~16 further including comprising one or more gears in operable communication with the electric motor, and a second spindle and holder assembly, wherein the gears are supported by the second spindle and holder assembly and the spindle of the second spindle and holder assembly extends through the housing on a side one of the first and second sides of the multi-faceted reflective element opposite the side where- through which the spindle from the first spindle and holder assembly extends through the housing.~~
18. (presently amended) A projector comprising:
  - a directional electric light source,
  - a multi-faceted reflective element, and

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a support frame having a first and second end,

wherein the directional light source is mounted on ~~said first end of said~~ the support frame at a first position located between the first and second ends of the support frame, and ~~said the multi-faceted reflective element is mounted opposite said the directional light source on said second end of said~~ the support frame at a second position located between the first and second ends of the support frame.

19. (presently amended) The A projector according to claim 18, wherein the multi-faceted reflective element is supported on one or both of first and second sides comprising a housing which encloses said directional light source, and comprising a housing which encloses said multi-faceted reflective element.

20. (presently amended) The A projector according to claim 18, comprising a lens disposed between ~~said the directional light source and said the multi-faceted reflective element~~.

21. (previously presented) The A projector according to claim 20, comprising an image medium support assembly disposed between the directional light source and the lens.

22. (previously presented) The A projector according to Claim 20, comprising a stand supporting the support frame.

23. - 34. (cancelled)

35. (new) A projector according to claim 21, comprising a first housing enclosing the directional light source, the lens, and the image support medium.

36. (new) A projector according to claim 35, comprising a second housing enclosing the multi-faceted reflective element.

37. (new) A projector according to claim 19, wherein the multi-faceted reflective element is supported at one or both of its first and second sides by one or more spindle and holder assemblies.

38. (new) A projector according to claim 37, wherein the multi-faceted reflective element has an interior chamber containing an electric motor and one or more gears in operable communication with an interior portion of the multi-faceted reflective element, and wherein the electric motor and the one or more gears are supported respectively by a spindle and holder assembly, whereby upon activation of the electric motor, the multi-faceted reflective element is

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rotated while the one or more spindle and holder assemblies remains stationary.

39. (new) A rotatable multi-faceted reflective element for use in the projection of reflected light comprising:

- a plurality of reflective surfaces supported on an exterior surface of the multi-faceted reflective element;

- an axis of rotation that passes through first and second sides,

- a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor, one or more gears, and one or more gear teeth located on an interior portion of the multi-faceted reflective element and in operable communication with the electric motor,

- one or more spindle and holder assemblies supporting the electric motor and the one or more gears, the one or more holder and spindle assemblies extending through one or both of the first and second sides.

40. (new) A projector comprising:

- a directional light source,

- a multi-faceted reflective element supported on one or both of first and second sides by one or more spindle and holder assemblies,

- a lens disposed between the directional light source and the multi-faceted reflective element,

- a first housing enclosing the directional light source and the lens and a second housing enclosing the multi-faceted reflective element,

- a support frame having a first and second end,

wherein the directional light source is mounted on the support frame at a first position located between the first and second ends of the support frame, and the multi-faceted reflective element is mounted opposite the directional light source on the support frame at a second position located between the first and second ends of the support frame, and

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wherein the multi-faceted reflective element has an interior chamber containing an electric motor and one or more gears in operable communication with an interior portion of the multi-faceted reflective element, and wherein the electric motor and the one or more gears are supported respectively by a spindle and holder assembly, whereby upon activation of the electric motor, the multi-faceted reflective element is rotated while the one or more spindle and holder assemblies remains stationary.

41. (new) A projector comprising:

a directional light source,

a multi-faceted reflective element positioned in spaced-apart relation to the directional light source and having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides, and

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor supported at a point along the axis of rotation between the first and second sides.

42. (new) A projector according to claim 41, comprising a lens disposed between the directional light source and the multi-faceted reflective element, and an image medium support assembly disposed between the directional light source and the lens.

43. (new) A projector according to claim 41, comprising a support member attachable to the projector for supporting the directional light source and the multi-faceted reflective element in spaced-apart relation to one another.

44. (new) A projector according to claim 42, comprising a first housing enclosing the directional light source and the lens.

45. (new) A projector according to claim 41, wherein the multi-faceted reflective element is supported on one or both of its first and second sides.

46. (new) A projector according to claim 44, comprising a stand supporting the support member and having a first bent tubular member which abuts a second similarly shaped bent tubular member, together forming a configuration with a central, double-wide portion and four

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flared single-wide ends.

47. (new) A projector according to claim 41, comprising a shield enveloping a portion of the reflective element, whereby, when the projector is in use, a portion of the light reflected from the multi-faceted reflective element is blocked.

48. (new) A projector according to claim 42 wherein the multi-faceted reflective element may be rotationally adjusted around an axis that intersects the axis of rotation.

49. (new) A projector according to claim 44, comprising a stand supporting the support member and having a central hub and three members having similar lengths extending from the hub and about equally spaced around the hub.

50. (new) A projector comprising:

a directional light source,

a multi-faceted reflective element positioned in spaced-apart relation to the directional light source and having a plurality of reflective surfaces and an axis of rotation that passes through first and second sides, the multi-faceted reflective element supported on one or both of its first and second sides, and may be rotationally adjustable around an axis that intersects the axis of rotation,

a lens disposed between the directional light source and the multi-faceted reflective element and an image medium support assembly disposed between the directional light source and the lens,

a first housing enclosing the directional light source, the lens and the image medium support assembly,

a rotation means located substantially inside the multi-faceted reflective element and comprising an electric motor supported at a point along the axis of rotation between the first and second sides, and

a support member attachable to the projector for supporting the directional light source and the multi-faceted reflective element in spaced-apart relation to one another.